



**Tufts Medical Center
Lemuel Shattuck Hospital**
Transitional Year Program



Educational goals and objectives by rotation:

Rotation name: Neurosurgery

Location: Tufts Medical Center

Program Director: Jeffrey Cooper, M.D.

Length of Rotation: 4 weeks

MEDICAL KNOWLEDGE

GOAL: The TY resident will achieve detailed knowledge of the evaluation and management of the neurosurgery patient

- Describe and understand the anatomy, pathophysiology, treatment options and principles for common neurosurgical problems including cranial, spinal cord and peripheral nerve trauma, tumors etc.
- Demonstrate extensive knowledge on how to manage increased intracranial pressure

PATIENT CARE

GOAL: The TY resident will provide patient care that is compassionate, appropriate and effective for the treatment of the neurosurgery patient.

- Perform an accurate physical exam with particular respect to common neurosurgical problems
- Demonstrate the ability to offer treatment options for patients suffering from cranial, spinal cord, peripheral nerve trauma, tumors etc.

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The TY resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

- Demonstrate a friendly disposition that is conducive to successful interaction with team members and patients
- Communicate the treatment plans with the support staff and be able to listen and respond to the patients and support staff's questions in a positive manner
- Interact effectively with the patients and the family members from a diverse background
- Gather essential information from patients, and accurately document patient encounters
- Interact with nurses, residents, attending surgeons and ancillary staff to achieve the health-related goals of the patient

PROFESSIONALISM

GOAL: The TY resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

- Relate as a team member with residents and fellows from other departments
- Interact with the patients and support staff politely and with respect
- Respond to pages and consults in a timely manner
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
- Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems

PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The TY resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

- Remain current on medical literature as it relates to treatment options and principles for common neurosurgical problems
- Be adept with online medical databases
- Teach, guide and act as a role model for medical students
- Demonstrate skills in resource management
- Attend and participate in didactic sessions and presentations

SYSTEMS-BASED PRACTICE

GOAL: The TY resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

- Integrate closely with the total team of medical students, residents, and attending, caring for patients with neurosurgical problems
- Utilize the expertise of other services and support personnel
- Demonstrate good patient advocacy skills
- Recognize and understand how different health insurance companies affect the treatment plan for patients